

## TJ46PR5A

## Diesel Generator Sets / 50 Hz

Power Output Ratings		50 Hz / 400 V
Standby Power (ESP)	kVA	46
	kW	37
Prime Power (PRP)	kVA	42
	kW	34

Engine				
Manufacturer			LOVOL	
Origin			CHINA	
Model			1003TG	
No of Cylinder / Configuration			3 - INLINE	
Displacement		It	2,99	
Bore / Stroke		mm	100 / 127	
Compression Ratio			17,5:1	
Aspiration			Turbocharged	
Governor Type			MECHANIC	
Cooling System			WATER	
Coolant Capacity		lt	17	
Lubrication Oil Capacity		lt	8,6	
Electrical System		VDC	12	
Speed / Frequency			1500 rpm / 50 Hz	
Engine Gross Power		kWm	48	
	lt/h	110 %	8,9	
Fuel Consumption		100 %	8	
ruei Consumption		75 %	7,5	
		50 %	4	
Exhaust Outlet Temperature		°C	580	
Exhaust Gas Flow		m³/min	6,8	
Combustion Air Flow		m³/min	3,5	
Cooling Air Flow		m³/min	80	

Manufacturer       MARELLI         Origin       ITALY         Model       MJB200SA4         No of Phase       3         Power Factor       0,8         No of Bearing       SINGLE         No of Poles       4         No of Leads       12         Voltage Regulation ( Steady State)       ± %1         Insulation Class       H         Degree of Protection       IP 23         Excitation System       AVR (Automatic Voltage Regulator), Brushless         Connection Type       STAR         Total Harmonic Content (No Load)       < %2         Frequency       Hz       50         Voltage Output       VAC       230 / 400         Rated Power (Standby)       kVA       46	Alternator					
Model         MJB200SA4           No of Phase         3           Power Factor         0,8           No of Bearing         SINGLE           No of Poles         4           No of Leads         12           Voltage Regulation ( Steady State)         ± %1           Insulation Class         H           Degree of Protection         IP 23           Excitation System         AVR (Automatic Voltage Regulator), Brushless           Connection Type         STAR           Total Harmonic Content (No Load)         < %2           Frequency         Hz         50           Voltage Output         VAC         230 / 400           Rated Power (Standby)         kVA         46	Manufacturer		MARELLI			
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Power Factor   0,8	Model	MJB200SA4				
No of Bearing   SINGLE	No of Phase	3				
No of Poles         4           No of Leads         12           Voltage Regulation ( Steady State)         ± %1           Insulation Class         H           Degree of Protection         IP 23           Excitation System         AVR (Automatic Voltage Regulator), Brushless           Connection Type         STAR           Total Harmonic Content (No Load)         < %2           Frequency         Hz         50           Voltage Output         VAC         230 / 400           Rated Power (Standby)         kVA         46	Power Factor		0,8			
No of Leads	No of Bearing		SINGLE			
Voltage Regulation ( Steady State)         ± %1           Insulation Class         H           Degree of Protection         IP 23           Excitation System         AVR (Automatic Voltage Regulator), Brushless           Connection Type         STAR           Total Harmonic Content (No Load)         < %2           Frequency         Hz         50           Voltage Output         VAC         230 / 400           Rated Power (Standby)         kVA         46	No of Poles		4			
Insulation Class  Degree of Protection  Excitation System  AVR (Automatic Voltage Regulator), Brushless  Connection Type  STAR  Total Harmonic Content (No Load)  Frequency  Hz  Voltage Output  VAC  Rated Power (Standby)  H  H  AVR (Automatic Voltage Regulator), Brushless  STAR  Voltage Regulator), Brushless  AVR (Automatic Voltage Regulator), Brushless  VAC  VAC  46	No of Leads		12			
Degree of Protection  IP 23  Excitation System  AVR (Automatic Voltage Regulator), Brushless  Connection Type  STAR  Total Harmonic Content (No Load)  Frequency  Hz  Voltage Output  VAC  230 / 400  Rated Power (Standby)  kVA  46	Voltage Regulation ( Steady State)		± %1			
Excitation System  AVR (Automatic Voltage Regulator), Brushless  Connection Type  STAR  Total Harmonic Content (No Load)  Frequency  Hz  50  Voltage Output  VAC  230 / 400  Rated Power (Standby)  kVA  46	Insulation Class		Н			
Connection Type         STAR           Total Harmonic Content (No Load)         < %2           Frequency         Hz         50           Voltage Output         VAC         230 / 400           Rated Power (Standby)         kVA         46	Degree of Protection		IP 23			
Total Harmonic Content (No Load)         < %2           Frequency         Hz         50           Voltage Output         VAC         230 / 400           Rated Power (Standby)         kVA         46	Excitation System		AVR (Automatic Voltage Regulator), Brushless			
Frequency         Hz         50           Voltage Output         VAC         230 / 400           Rated Power (Standby)         kVA         46	Connection Type		STAR			
Voltage Output         VAC         230 / 400           Rated Power (Standby)         kVA         46	Total Harmonic Content (No Load)		< %2			
Rated Power (Standby) kVA 46	Frequency	Hz	50			
	Voltage Output	VAC	230 / 400			
P. 60 F	Rated Power (Standby)	kVA	46			
Efficiency % 88,5	Efficiency	%	88,5			

	WxLxH(mm)	Weight (kg)	Fuel Tank (It)	Noise dB(A)
Canopied	987 x 2265 x 1570	1131	90	TBA
Open Skid	750 x 1600 x 1170	830	90	TBA



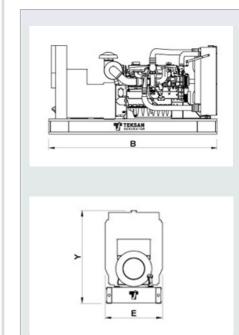


## Standby Power

Standby power is defined as the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 500 hours of operation per year under average of 70% load. Overloading is not permissible.

## Prime Power

Prime power is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hours.



- Technical information and values are according to ISO8528, ISO3046,NEMA MG-1.22, IEC 60034-1, BS 4999-5000, VDE 0530 standards. Producing with ISO9001, ISO14001, OHSAS18001, TSE, CE standards.

TBA: To Be Ask

- All information given in this leaflet is intended for general purposes only. Due to a policy continuous improvement Teksan reserves the right to amend details and specifications without notice and all information given is subject to the Teksan's current condition of sales.

**TBD:** To Be Determined **NA:** Not Avaliable www.teksangenerator.com

TTD46PR5A0612-EN N/A: Not Applicable

